

CLAIMS

[1] A formed mat which is thermoformed so as to have a shape following an inside of a room of an automobile and is fitted so as to follow the inside of the room, the formed mat comprises:

5 a high elastic non-woven body which is 3.0mm or more in thickness, 300g/m² or more in weight per unit area, and less than 0.20g/cm³ in density; and

 a thermoplastic resin sheet which is layered on the high elastic non-woven body and which is thinner than the high elastic non-woven
10 body.

[2] The formed mat according to claim 1, wherein the high elastic non-woven body is a needle punched non-woven body which has regular polyester fibers of 50 to 99 % by weight and polyester type low melting
15 point fibers of 1 to 50 % by weight, the regular polyester fibers having a fiber diameter of 3 to 15 dtx and a length of 40 to 120mm, and the polyester type low melting point fibers having a fiber diameter of 3 to 12 dtx and a length of 40 to 90mm.

20 [3] The formed mat according to claim 2, wherein the needle punched non-woven body contains, as the regular polyester fibers, two or more types of fibers having different fiber diameters.

[4] The formed mat according to claim 2 or 3, wherein a surface layer
25 having wear resistance is formed in the needle punched non-woven body.

[5] The formed mat according to claim 4, wherein fibers constituting the surface layer having wear resistance has a color tone different from that of fibers constituting other portions of the needle punched non-woven body, and a decorative pattern is formed by partially taking out the fibers

5 constituting the other portions of the needle punched non-woven body onto a surface of the surface layer having wear resistance.

[6] The formed mat according to any one of claims 1 to 5, wherein a recovery percentage in a folding test is 70% or more, wherein the recovery percentage denotes a ratio of an open angle around a folding line at a time when the formed mat is supported at the folding line and is leaved after the formed mat is folded by 180 degrees around a straight line so as to face portions of the thermoplastic resin sheet each other, to an original 180 degrees.

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